FIG. 1

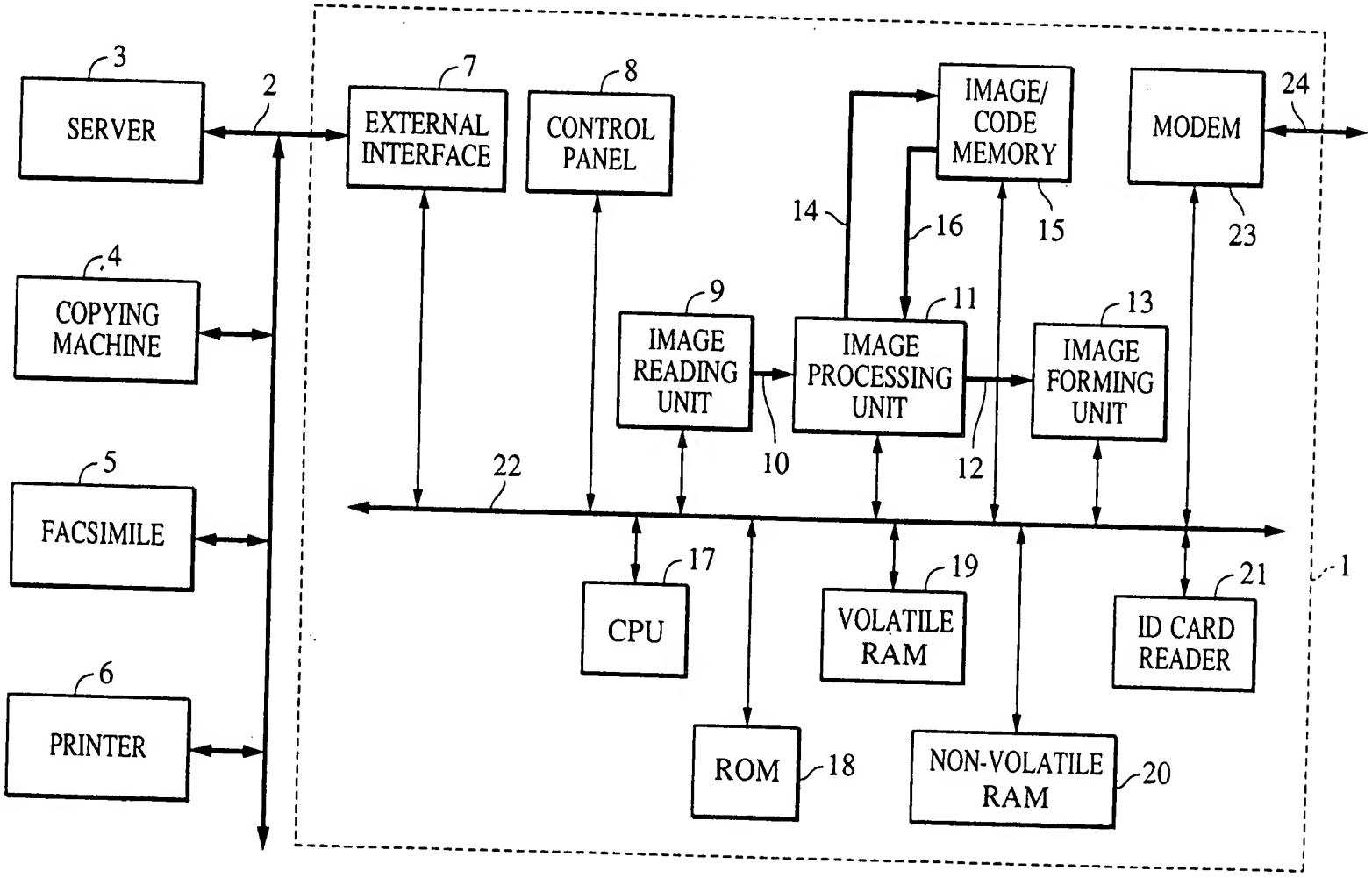

SERVER
3
2
EXTERNAL INTERFACE
7
CONTROL PANEL
8
IMAGE/ CODE MEMORY
MODEM
24
14
16
15
23
COPYING MACHINE
4
9
11
13
IMAGE READING UNIT
IMAGE PROCESSING UNIT
IMAGE FORMING UNIT
10
12
22
FACSIMILE
5
17
19
21
1
CPU
VOLATILE RAM
ID CARD READER
PRINTER
6
ROM
18
NON-VOLATILE RAM
20

FIG. 2

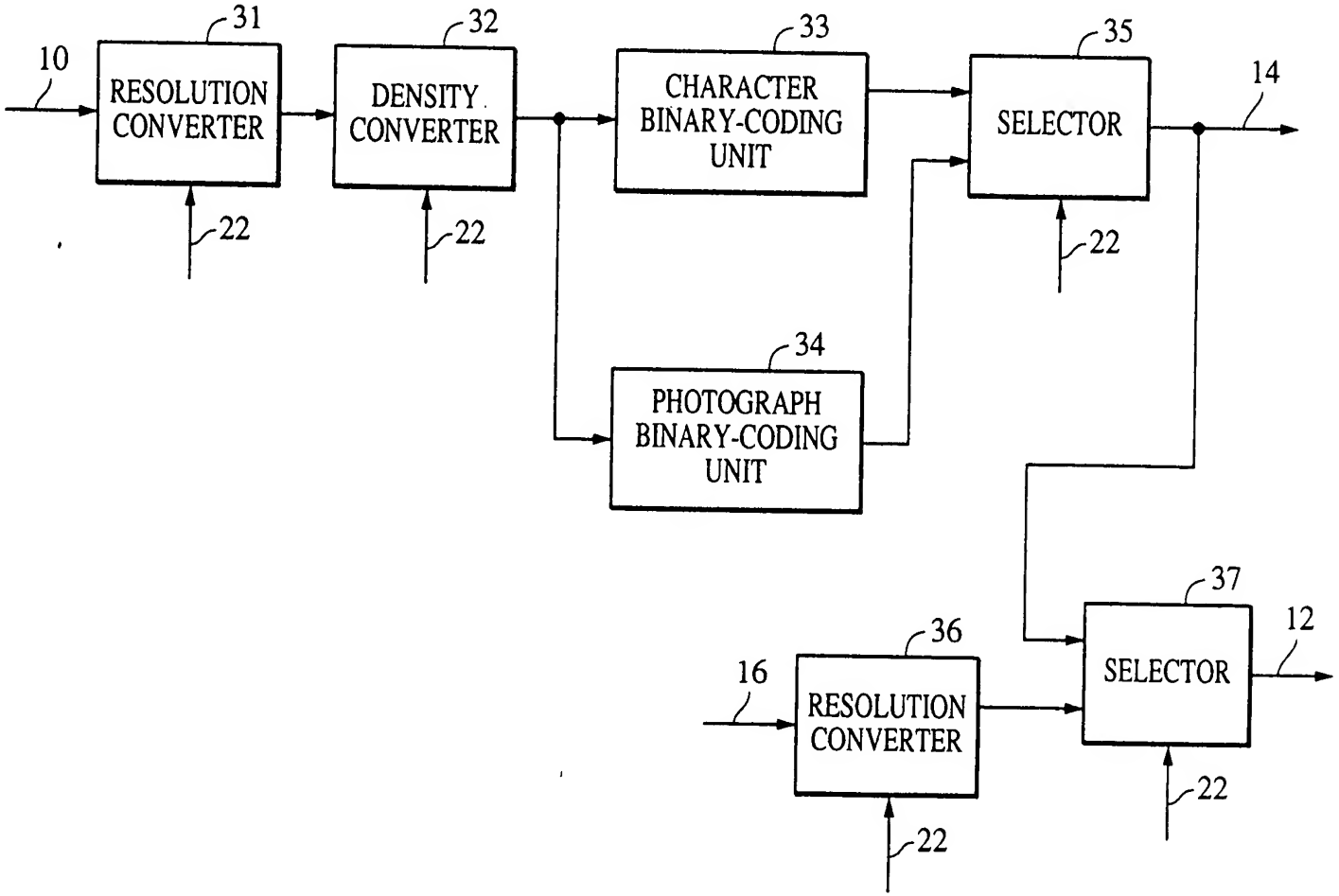

10
RESOLUTION CONVERTER
31
22
DENSITY CONVERTER
32
22
CHARACTER BINARY-CODING UNIT
33
PHOTOGRAPH BINARY-CODING UNIT
34
SELECTOR
35
22
14
16
RESOLUTION CONVERTER
36
22
SELECTOR
37
22
12

FIG. 3

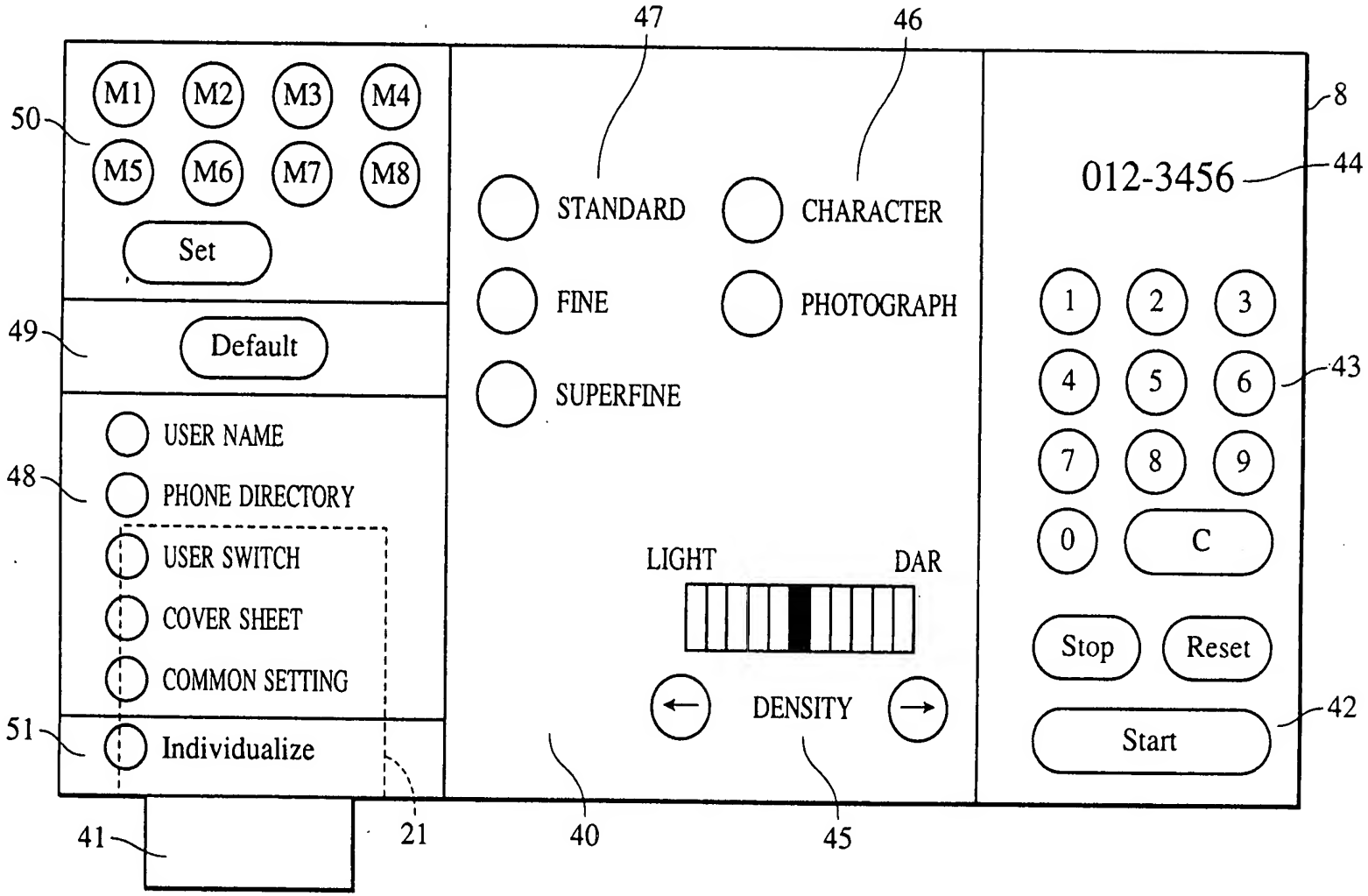

47
46
8
M1
M2
M3
M4
50
M5
M6
M7
M8
Set
STANDARD
CHARACTER
012-3456
44
FINE
PHOTOGRAPH
49
Default
1
2
3
4
5
6
43
SUPERFINE
7
8
9
USER NAME
48
PHONE DIRECTORY
0
C
LIGHT
DAR
USER SWITCH
COVER SHEET
Stop
Reset
COMMON SETTING
DENSITY
42
51
Individualize
Start
41
21
40
45

FIG. 4

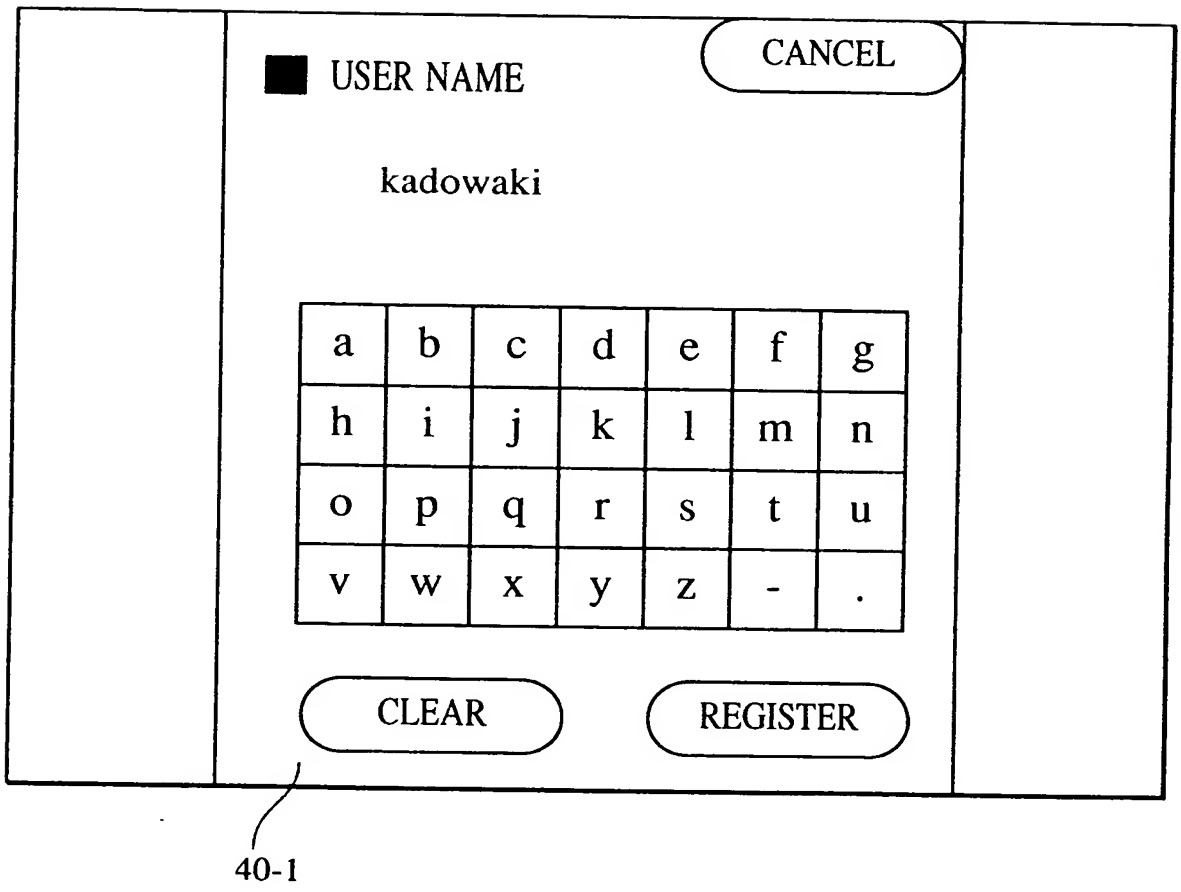

USER NAME
CANCEL
kadowaki
a b c d e f g
h i j k l m n
o p q r s t u
v w x y z - .
CLEAR
REGISTER
40-1

FIG. 5

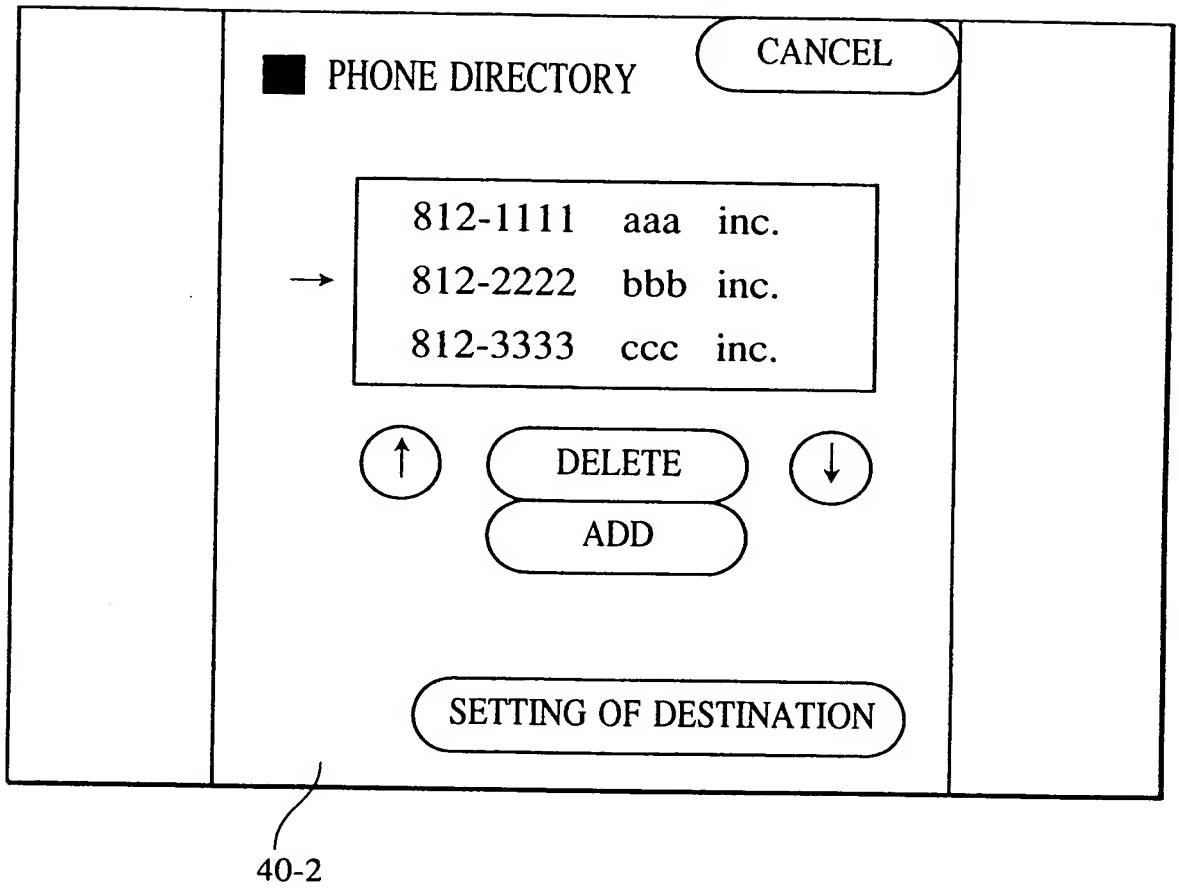

PHONE DIRECTORY
CANCEL
812-1111 aaa inc.
812-2222 bbb inc.
812-3333 ccc inc.
DELETE
ADD
SETTING OF DESTINATION
40-2

FIG. 6

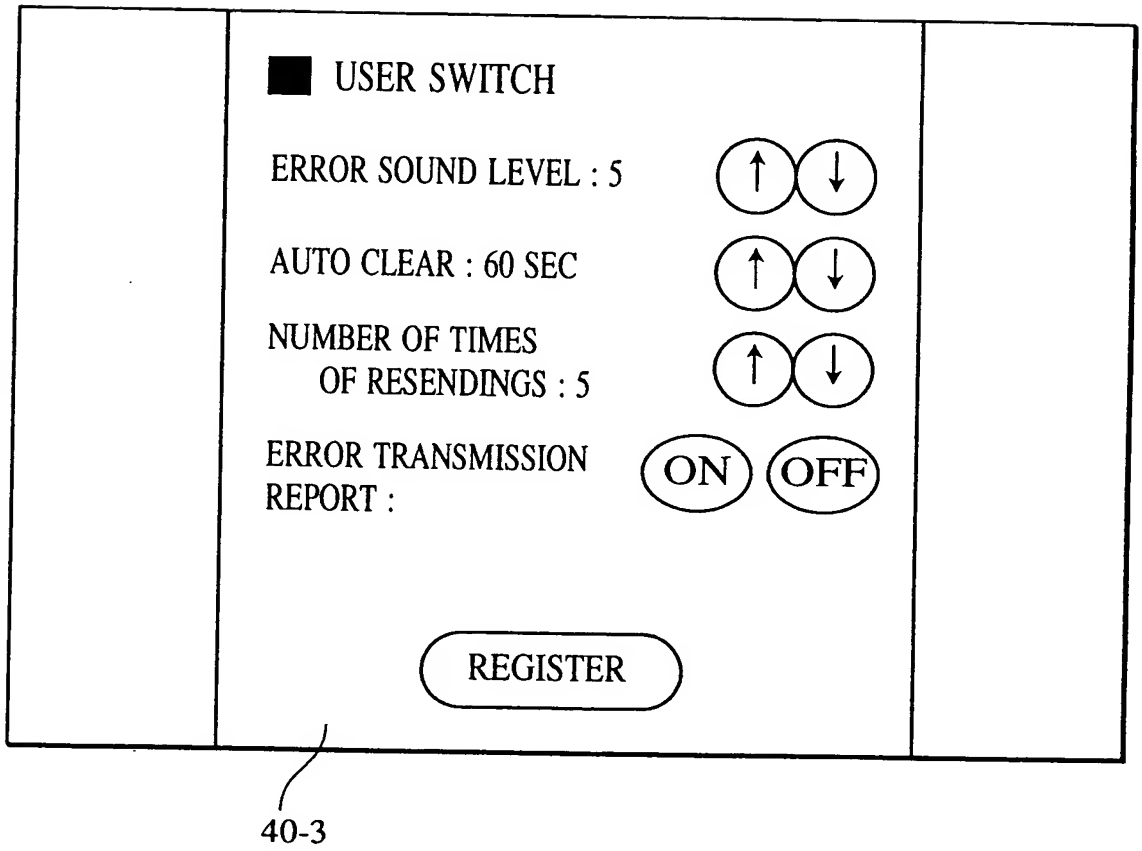

USER SWITCH
ERROR SOUND LEVEL : 5
AUTO CLEAR : 60 SEC
NUMBER OF TIMES OF RESENDINGS : 5
ERROR TRANSMISSION REPORT :
ON
OFF
REGISTER
40-3

FIG. 7

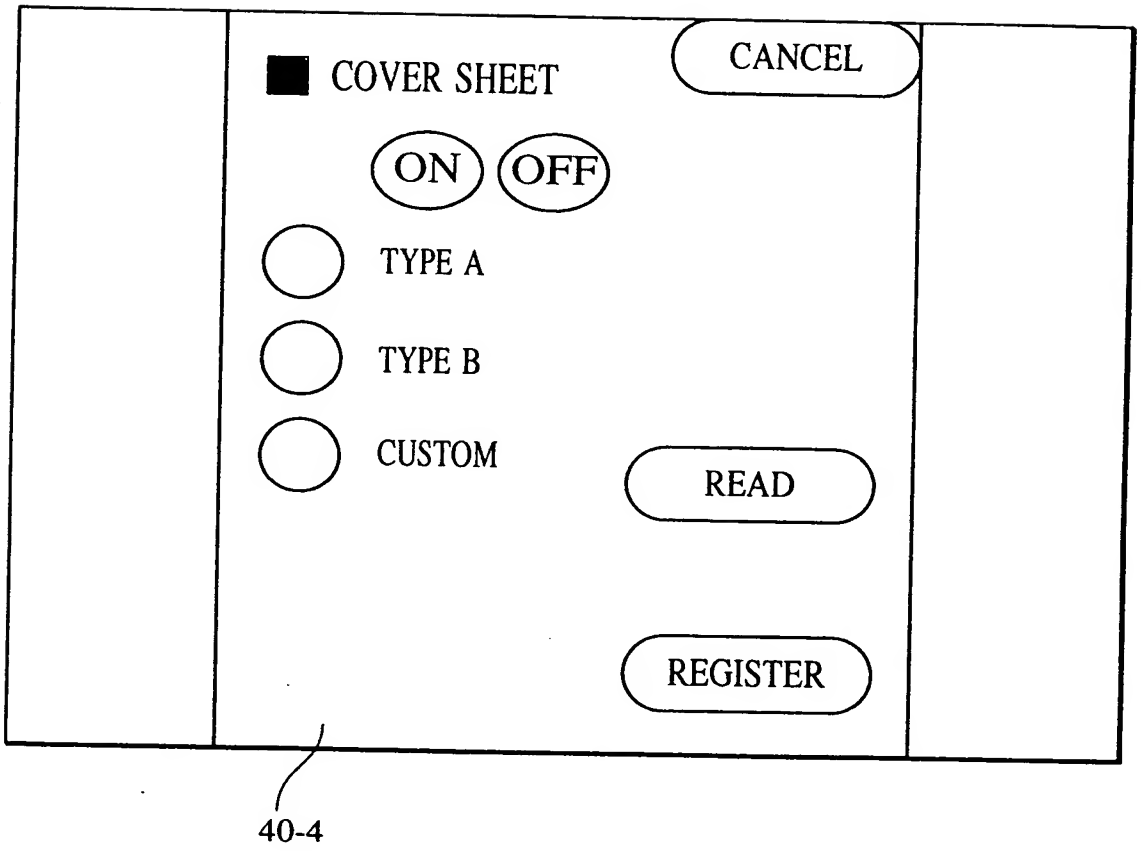

COVER SHEET
CANCEL
ON
OFF
TYPE A
TYPE B
CUSTOM
READ
REGISTER
40-4

FIG. 8

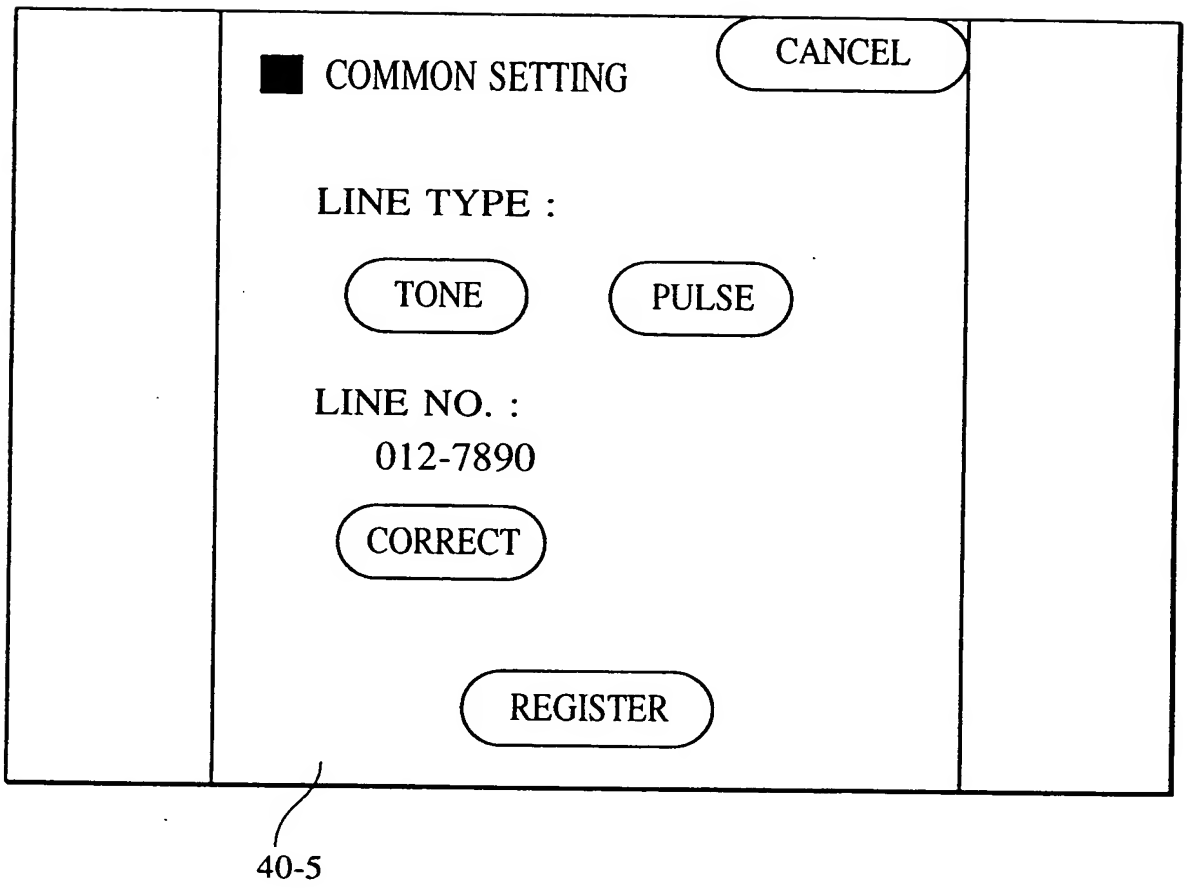

COMMON SETTING
CANCEL
LINE TYPE :
TONE
PULSE
LINE NO. :
012-7890
CORRECT
REGISTER
40-5

FIG. 9

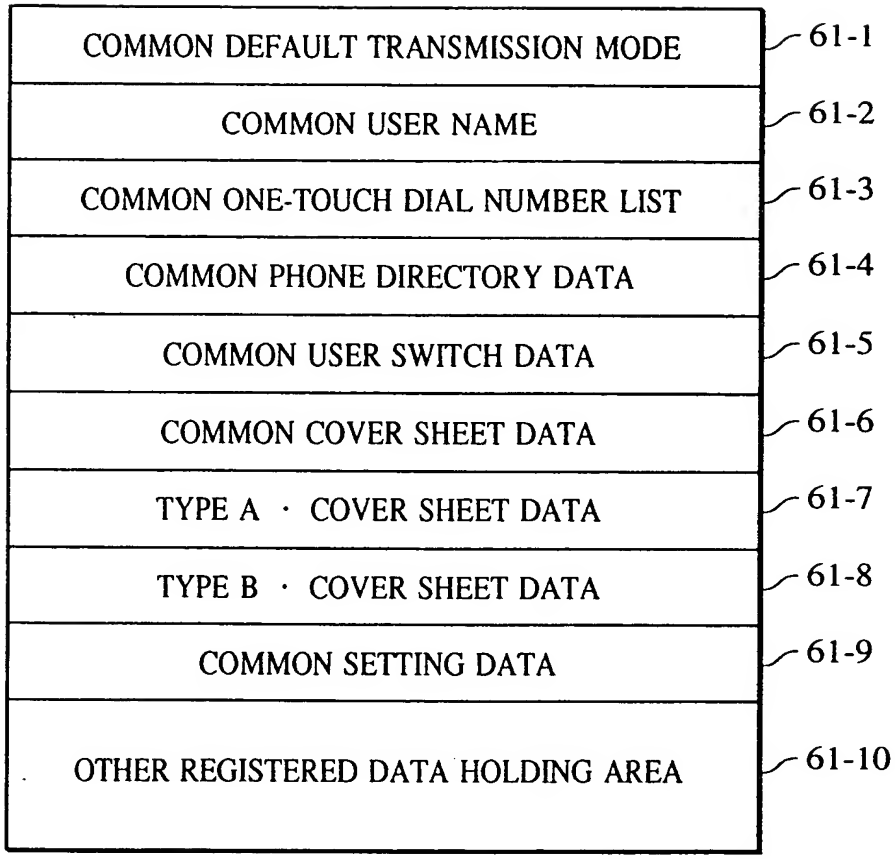

COMMON DEFAULT TRANSMISSION MODE
61-1
COMMON USER NAME
61-2
COMMON ONE-TOUCH DIAL NUMBER LIST
61-3
COMMON PHONE DIRECTORY DATA
61-4
COMMON USER SWITCH DATA
61-5
COMMON COVER SHEET DATA
61-6
TYPE A · COVER SHEET DATA
61-7
TYPE B · COVER SHEET DATA
61-8
COMMON SETTING DATA
61-9
OTHER REGISTERED DATA HOLDING AREA
61-10

FIG. 10

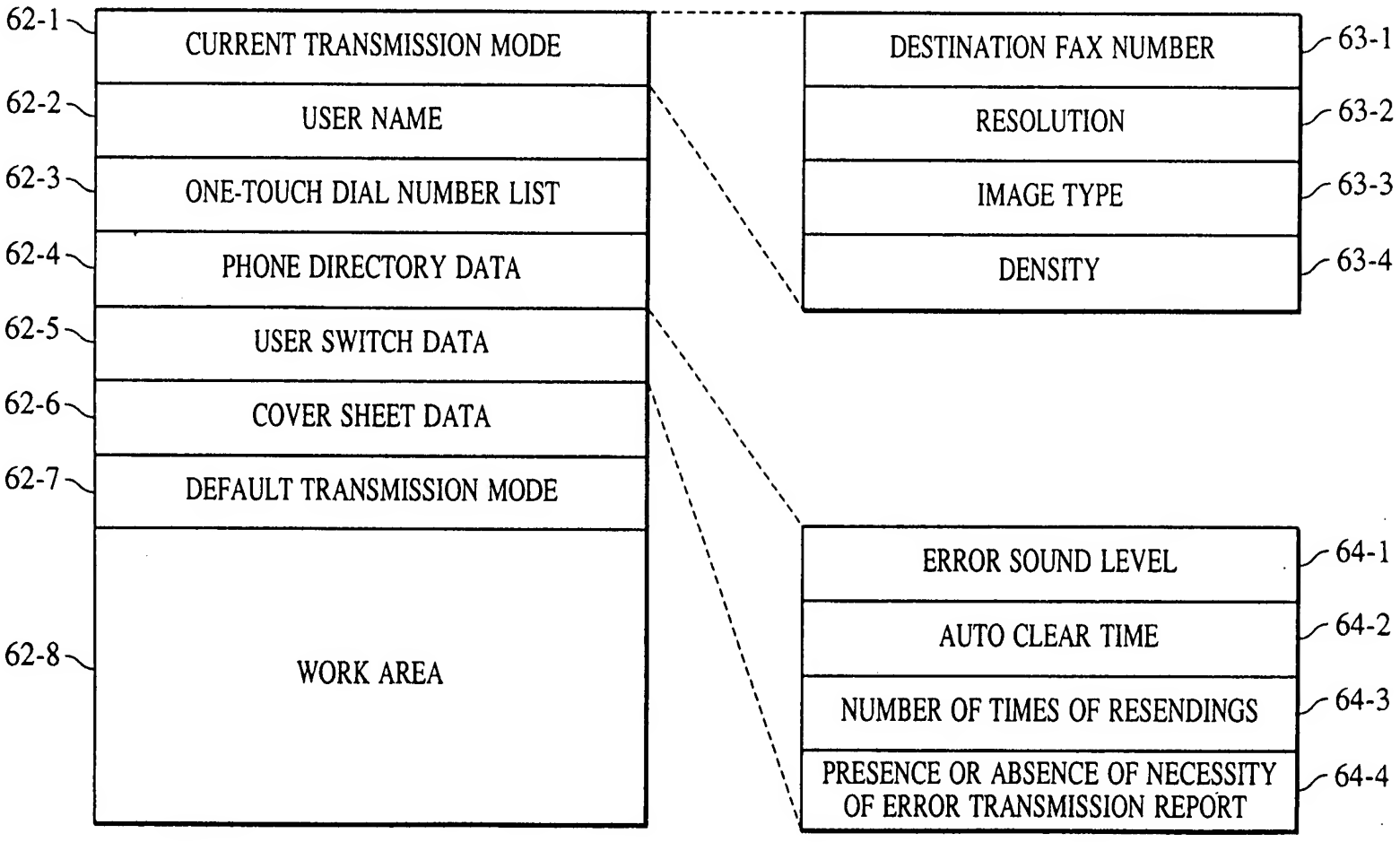

62-1
CURRENT TRANSMISSION MODE
62-2
USER NAME
62-3
ONE-TOUCH DIAL NUMBER LIST
62-4
PHONE DIRECTORY DATA
62-5
USER SWITCH DATA
62-6
COVER SHEET DATA
62-7
DEFAULT TRANSMISSION MODE
62-8
WORK AREA
DESTINATION FAX NUMBER
63-1
RESOLUTION
63-2
IMAGE TYPE
63-3
DENSITY
63-4
ERROR SOUND LEVEL
64-1
AUTO CLEAR TIME
64-2
NUMBER OF TIMES OF RESENDINGS
64-3
PRESENCE OR ABSENCE OF NECESSITY OF ERROR TRANSMISSION REPORT
64-4

FIG. 11

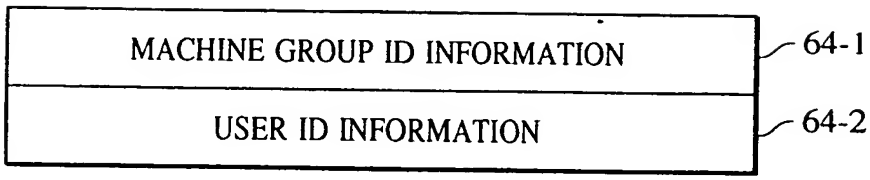

MACHINE GROUP ID INFORMATION
64-1
USER ID INFORMATION
64-2

FIG. 12

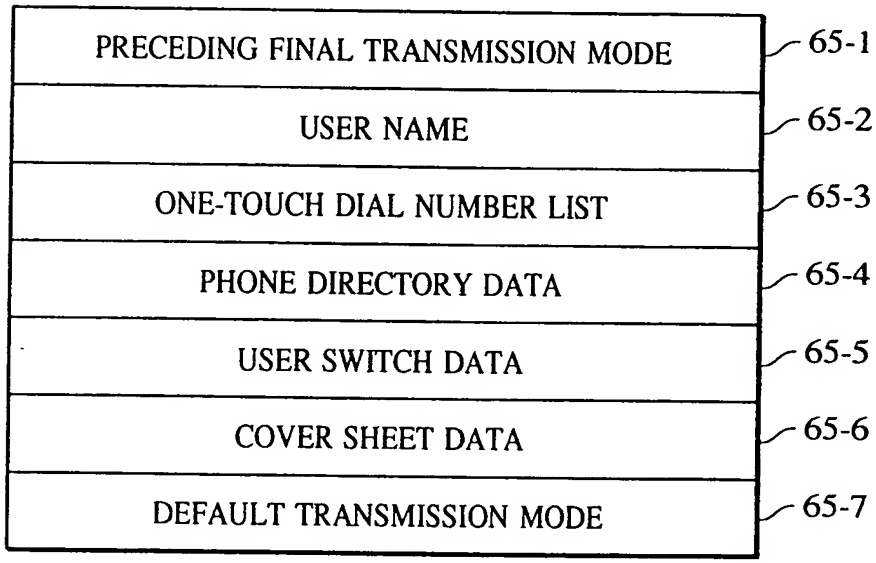

PRECEDING FINAL TRANSMISSION MODE
65-1
USER NAME
65-2
ONE-TOUCH DIAL NUMBER LIST
65-3
PHONE DIRECTORY DATA
65-4
USER SWITCH DATA
65-5
COVER SHEET DATA
65-6
DEFAULT TRANSMISSION MODE
65-7

FIG. 13

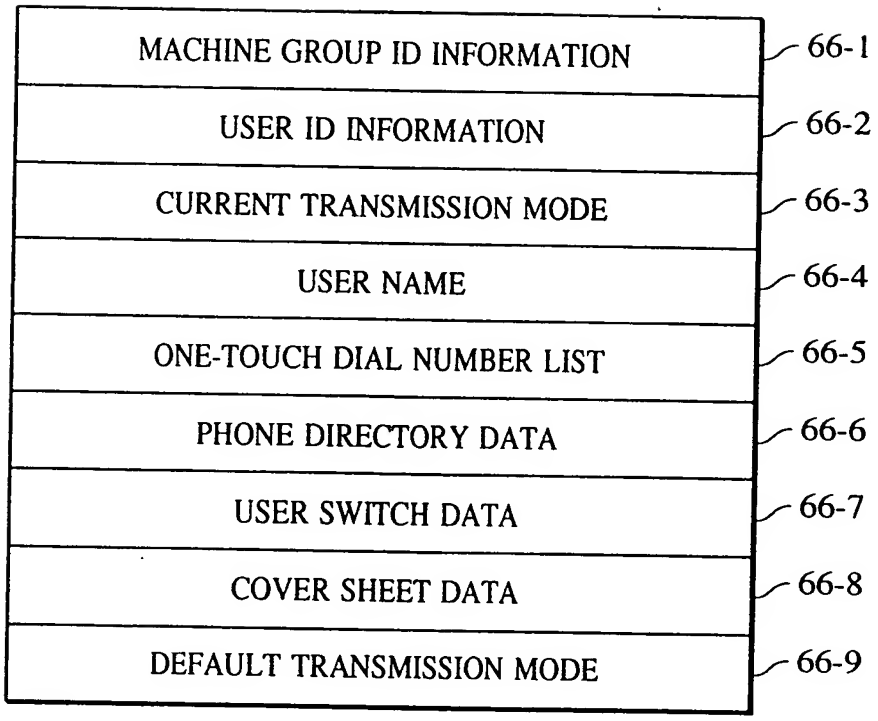

MACHINE GROUP ID INFORMATION
66-1
USER ID INFORMATION
66-2
CURRENT TRANSMISSION MODE
66-3
USER NAME
66-4
ONE-TOUCH DIAL NUMBER LIST
66-5
PHONE DIRECTORY DATA
66-6
USER SWITCH DATA
66-7
COVER SHEET DATA
66-8
DEFAULT TRANSMISSION MODE
66-9

FIG. 14

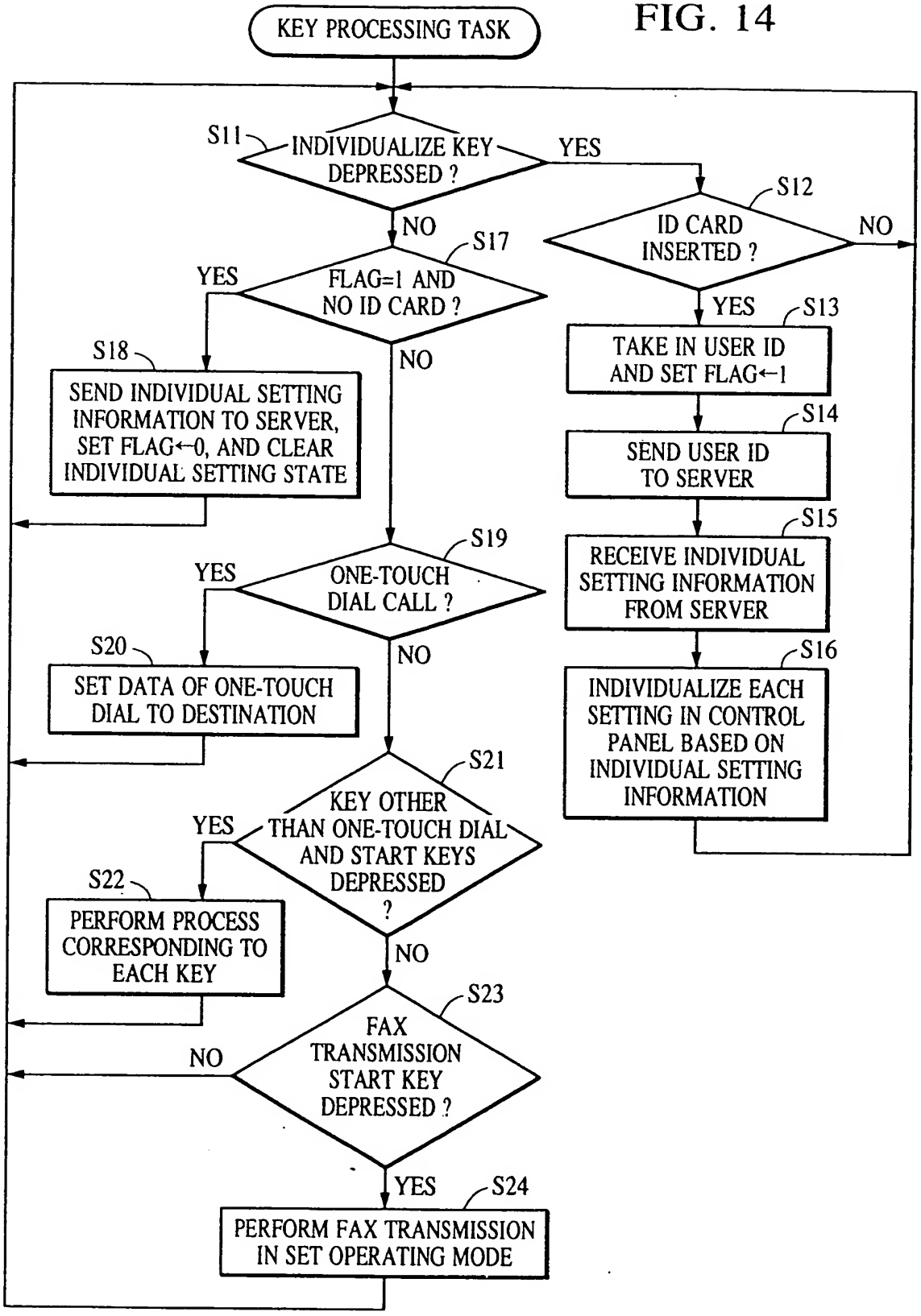

KEY PROCESSING TASK
S11
INDIVIDUALIZE KEY DEPRESSED ?
YES
NO
S12
ID CARD INSERTED ?
NO
YES
S13
TAKE IN USER ID AND SET FLAG←1
S14
SEND USER ID TO SERVER
S15
RECEIVE INDIVIDUAL SETTING INFORMATION FROM SERVER
S16
INDIVIDUALIZE EACH SETTING IN CONTROL PANEL BASED ON INDIVIDUAL SETTING INFORMATION
S17
FLAG=1 AND NO ID CARD ?
YES
NO
S18
SEND INDIVIDUAL SETTING INFORMATION TO SERVER, SET FLAG←0, AND CLEAR INDIVIDUAL SETTING STATE
S19
ONE-TOUCH DIAL CALL ?
YES
NO
S20
SET DATA OF ONE-TOUCH DIAL TO DESTINATION
S21
KEY OTHER THAN ONE-TOUCH DIAL AND START KEYS DEPRESSED ?
YES
NO
S22
PERFORM PROCESS CORRESPONDING TO EACH KEY
S23
FAX TRANSMISSION START KEY DEPRESSED ?
NO
YES
S24
PERFORM FAX TRANSMISSION IN SET OPERATING MODE

FIG. 15

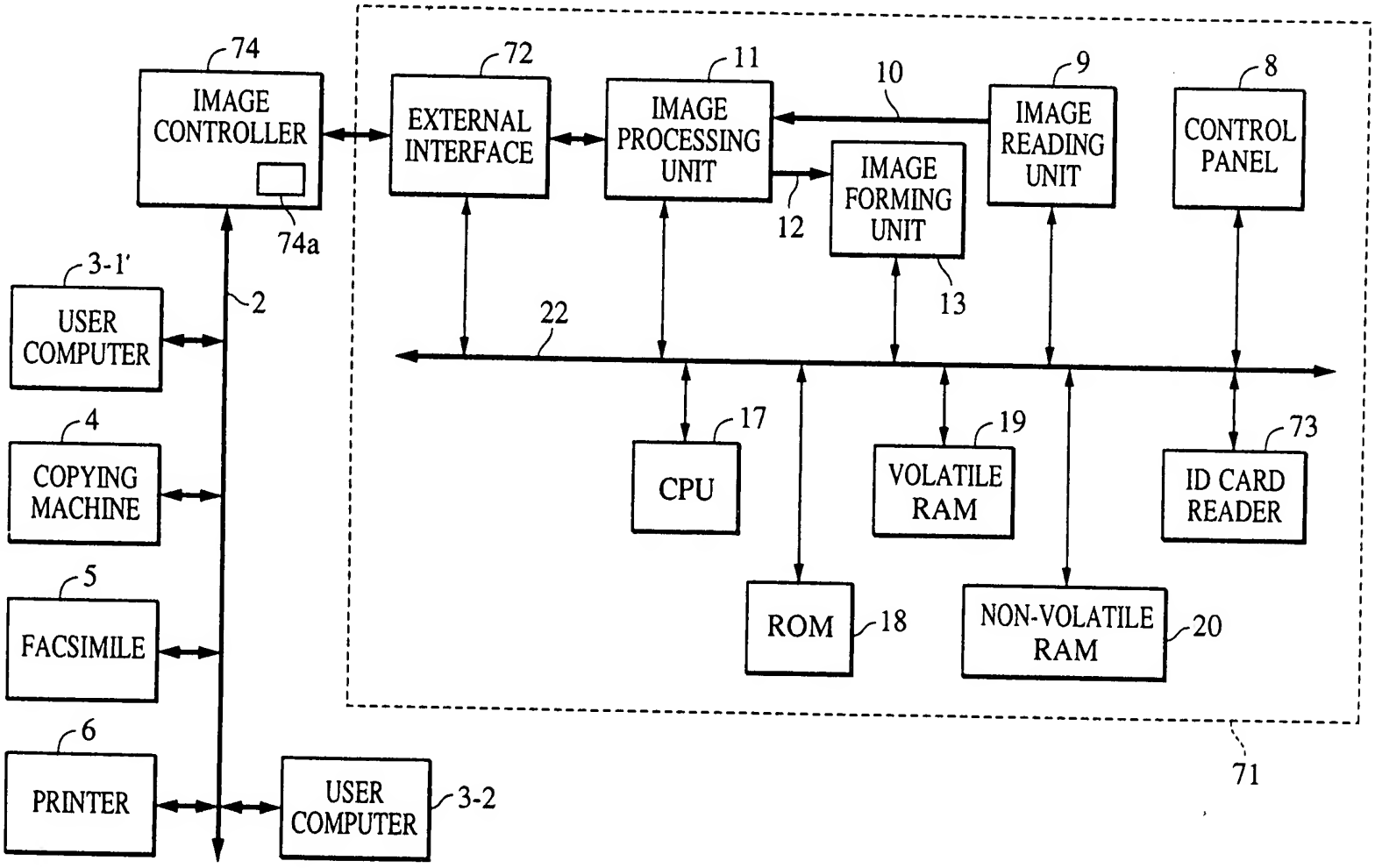

74
IMAGE CONTROLLER
74a
72
EXTERNAL INTERFACE
11
IMAGE PROCESSING UNIT
10
9
IMAGE READING UNIT
8
CONTROL PANEL
12
IMAGE FORMING UNIT
13
22
3-1'
USER COMPUTER
2
4
COPYING MACHINE
5
FACSIMILE
6
PRINTER
USER COMPUTER
3-2
17
CPU
19
VOLATILE RAM
73
ID CARD READER
ROM
18
NON-VOLATILE RAM
20
71

FIG. 16

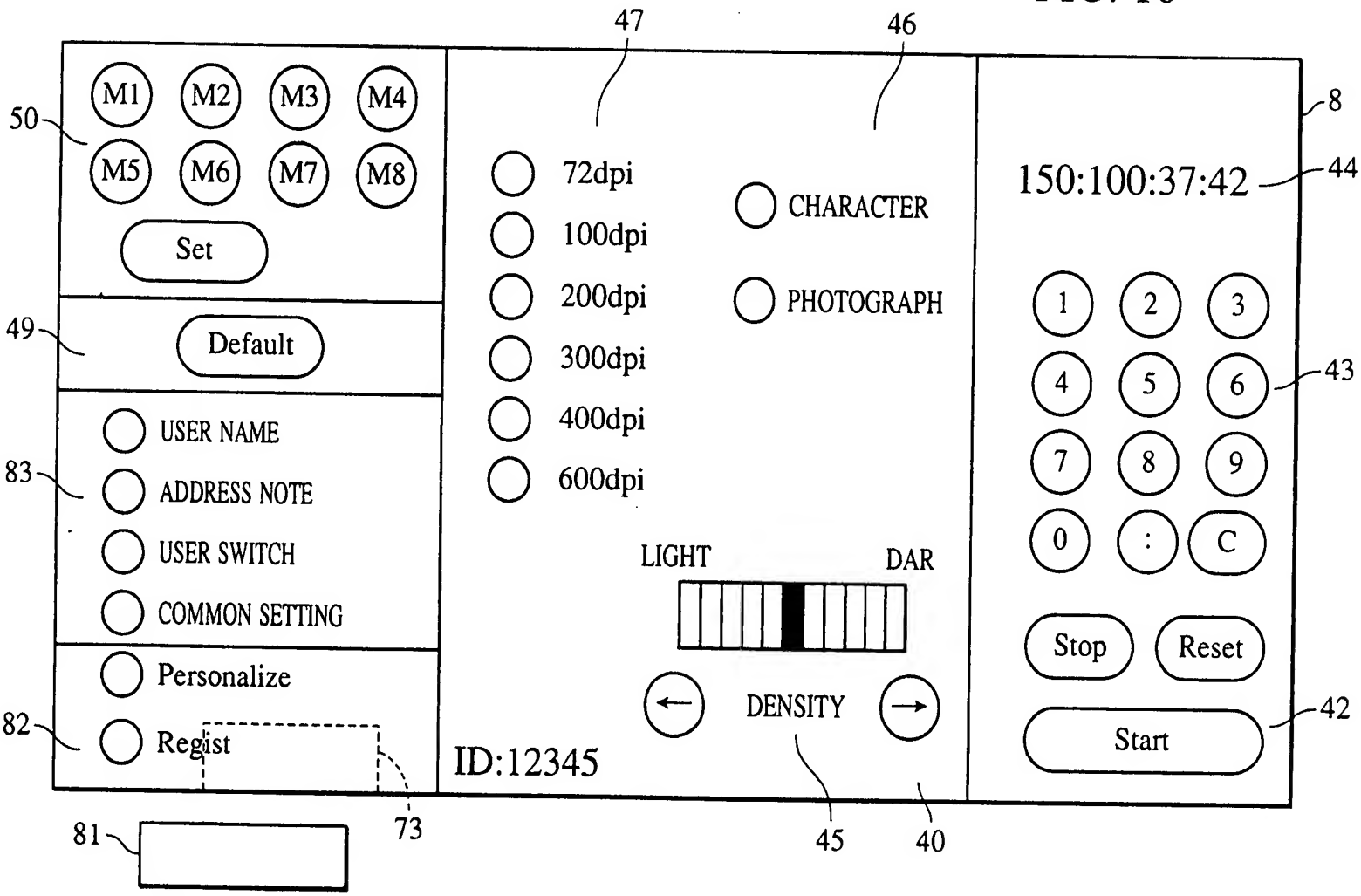

47
46
8
50
M1
M2
M3
M4
M5
M6
M7
M8
Set
72dpi
100dpi
200dpi
300dpi
400dpi
600dpi
CHARACTER
PHOTOGRAPH
150:100:37:42
44
49
Default
1
2
3
4
5
6
43
7
8
9
0
:
C
USER NAME
83
ADDRESS NOTE
USER SWITCH
COMMON SETTING
LIGHT
DAR
Stop
Reset
Personalize
82
Regist
DENSITY
Start
42
ID:12345
81
73
45
40

FIG. 17

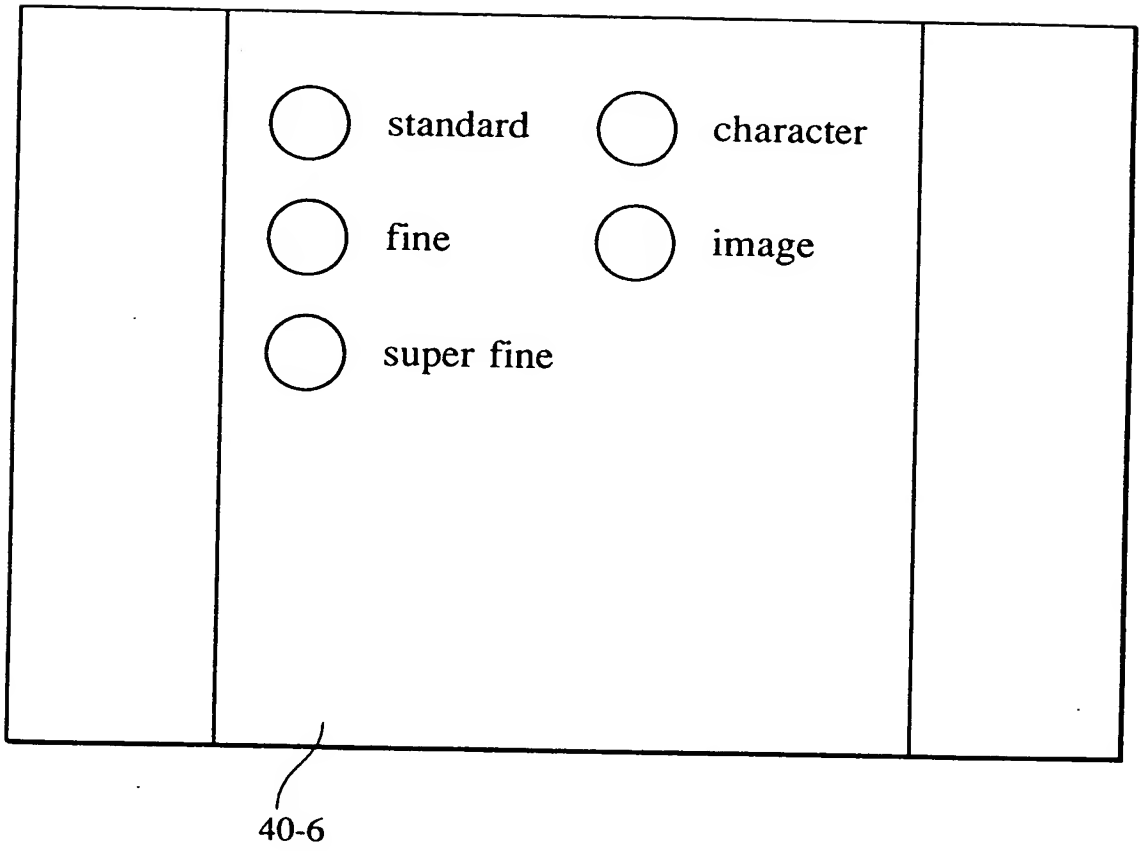


FIG. 18

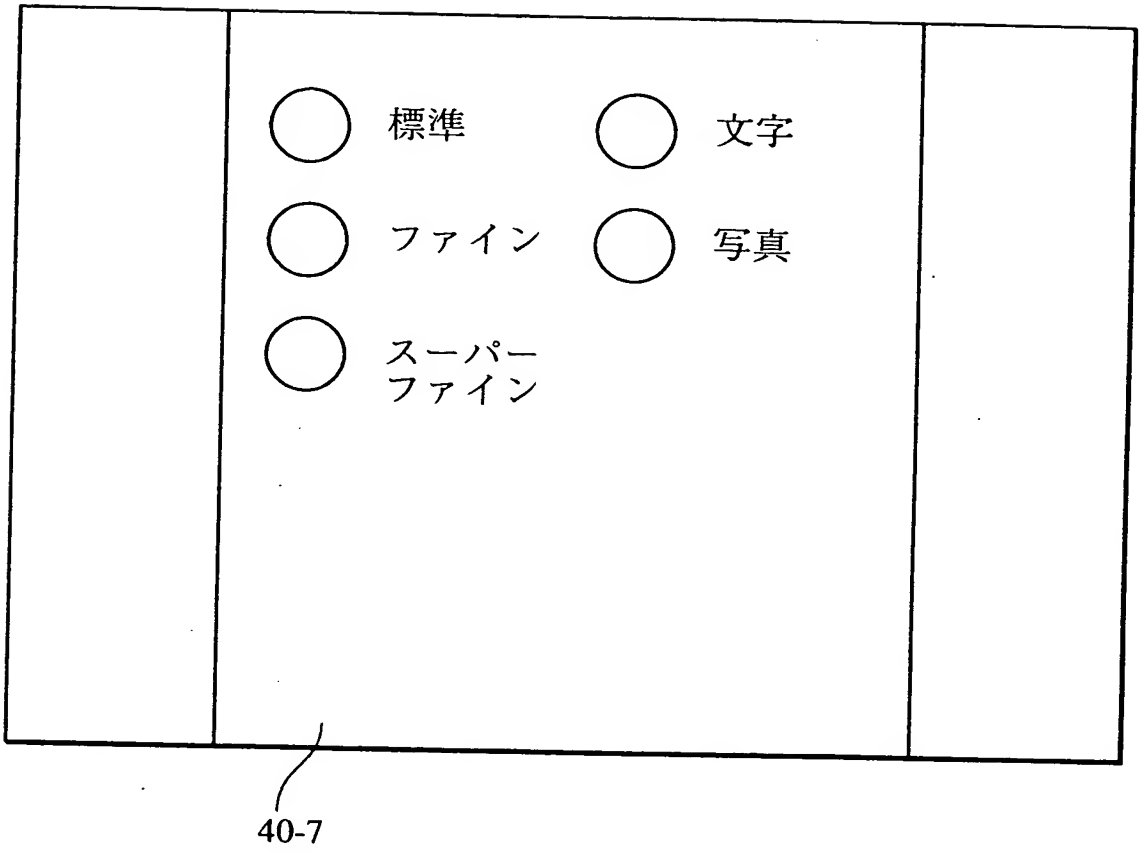


FIG. 19

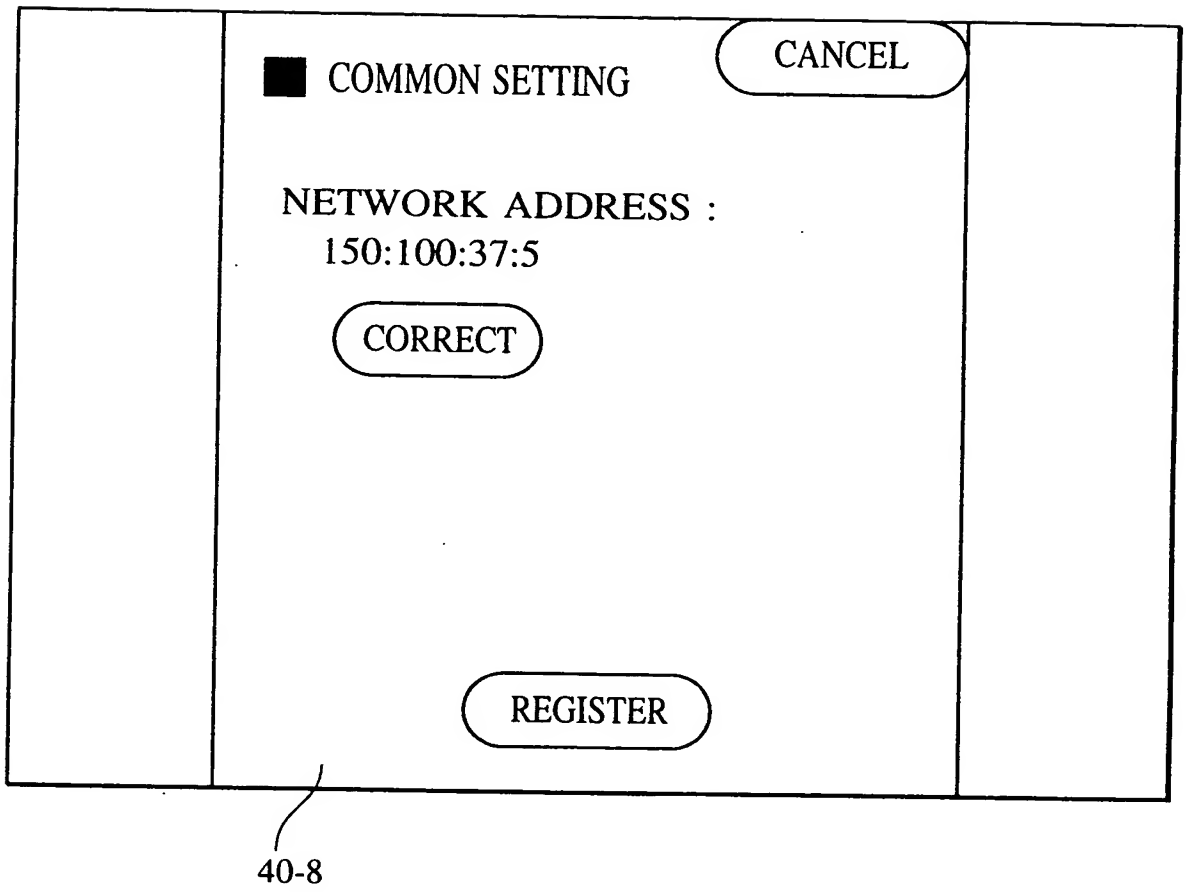

COMMON SETTING
CANCEL
NETWORK ADDRESS :
150:100:37:5
CORRECT
REGISTER
40-8

FIG. 20

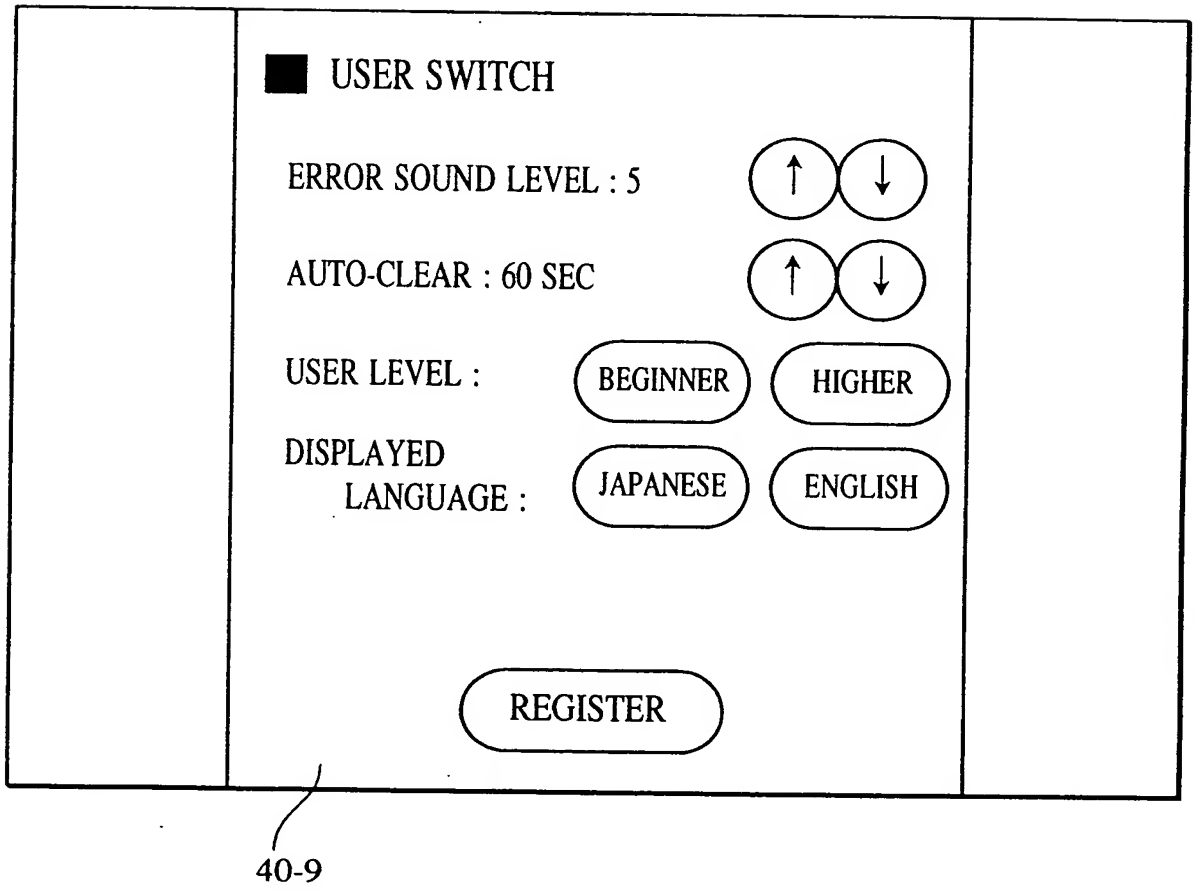

USER SWITCH
ERROR SOUND LEVEL : 5
AUTO-CLEAR : 60 SEC
USER LEVEL :
BEGINNER
HIGHER
DISPLAYED LANGUAGE :
JAPANESE
ENGLISH
REGISTER
40-9

FIG. 21

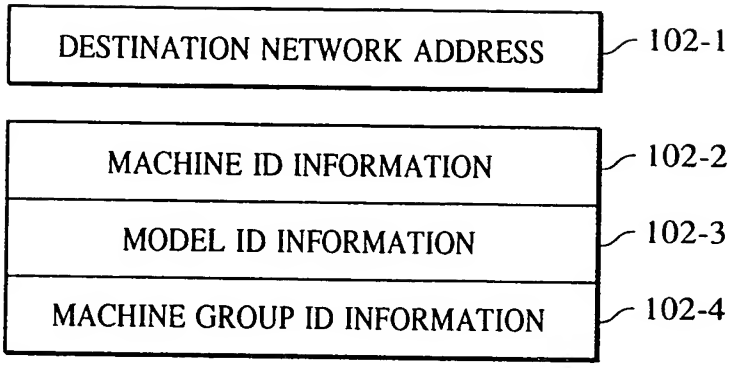

DESTINATION NETWORK ADDRESS
102-1
MACHINE ID INFORMATION
102-2
MODEL ID INFORMATION
102-3
MACHINE GROUP ID INFORMATION
102-4

FIG. 22

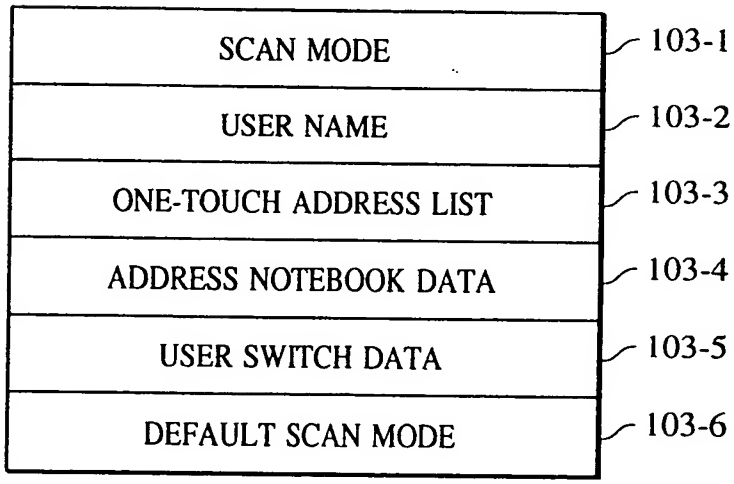

SCAN MODE
103-1
USER NAME
103-2
ONE-TOUCH ADDRESS LIST
103-3
ADDRESS NOTEBOOK DATA
103-4
USER SWITCH DATA
103-5
DEFAULT SCAN MODE
103-6

FIG. 23

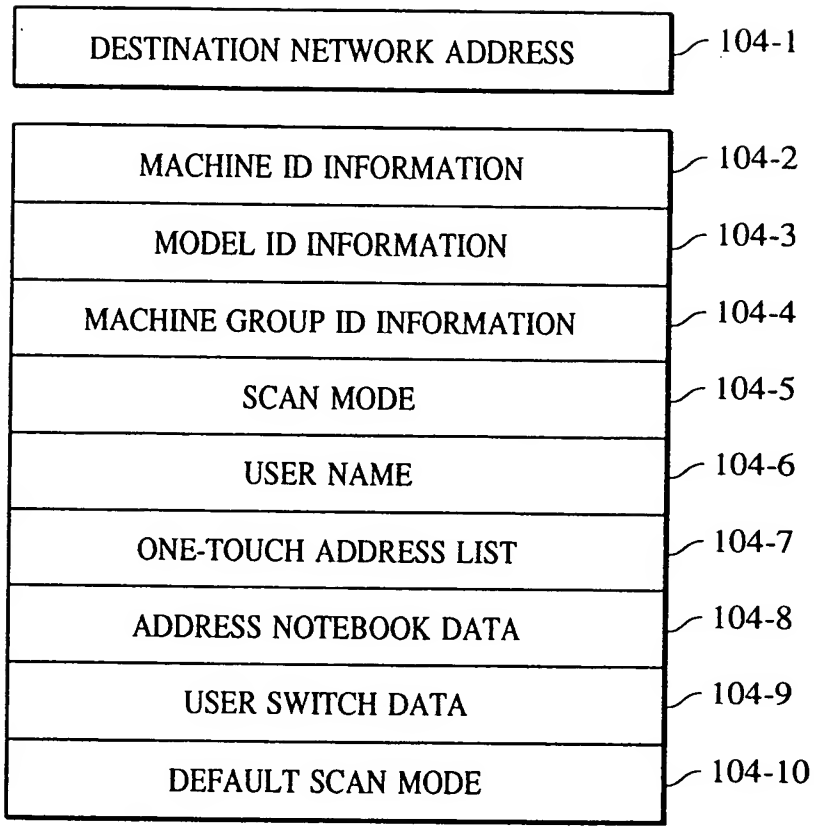

DESTINATION NETWORK ADDRESS
104-1
MACHINE ID INFORMATION
104-2
MODEL ID INFORMATION
104-3
MACHINE GROUP ID INFORMATION
104-4
SCAN MODE
104-5
USER NAME
104-6
ONE-TOUCH ADDRESS LIST
104-7
ADDRESS NOTEBOOK DATA
104-8
USER SWITCH DATA
104-9
DEFAULT SCAN MODE
104-10

FIG. 24

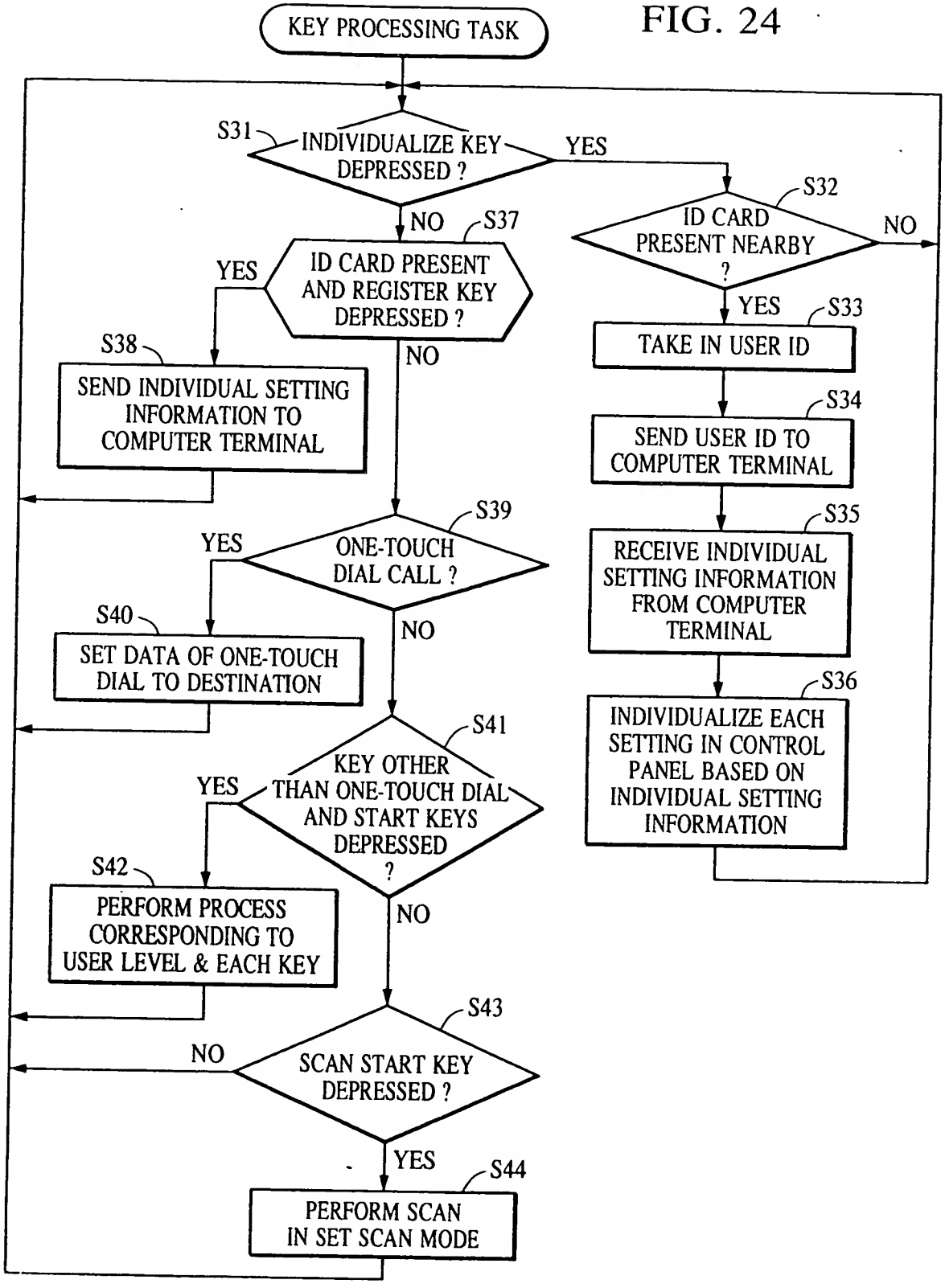

KEY PROCESSING TASK
S31
INDIVIDUALIZE KEY DEPRESSED ?
YES
NO
S32
ID CARD PRESENT NEARBY ?
NO
YES
S33
TAKE IN USER ID
S34
SEND USER ID TO COMPUTER TERMINAL
S35
RECEIVE INDIVIDUAL SETTING INFORMATION FROM COMPUTER TERMINAL
S36
INDIVIDUALIZE EACH SETTING IN CONTROL PANEL BASED ON INDIVIDUAL SETTING INFORMATION
S37
ID CARD PRESENT AND REGISTER KEY DEPRESSED ?
YES
NO
S38
SEND INDIVIDUAL SETTING INFORMATION TO COMPUTER TERMINAL
S39
ONE-TOUCH DIAL CALL ?
YES
NO
S40
SET DATA OF ONE-TOUCH DIAL TO DESTINATION
S41
KEY OTHER THAN ONE-TOUCH DIAL AND START KEYS DEPRESSED ?
YES
NO
S42
PERFORM PROCESS CORRESPONDING TO USER LEVEL & EACH KEY
S43
SCAN START KEY DEPRESSED ?
NO
YES
S44
PERFORM SCAN IN SET SCAN MODE

FIG. 25

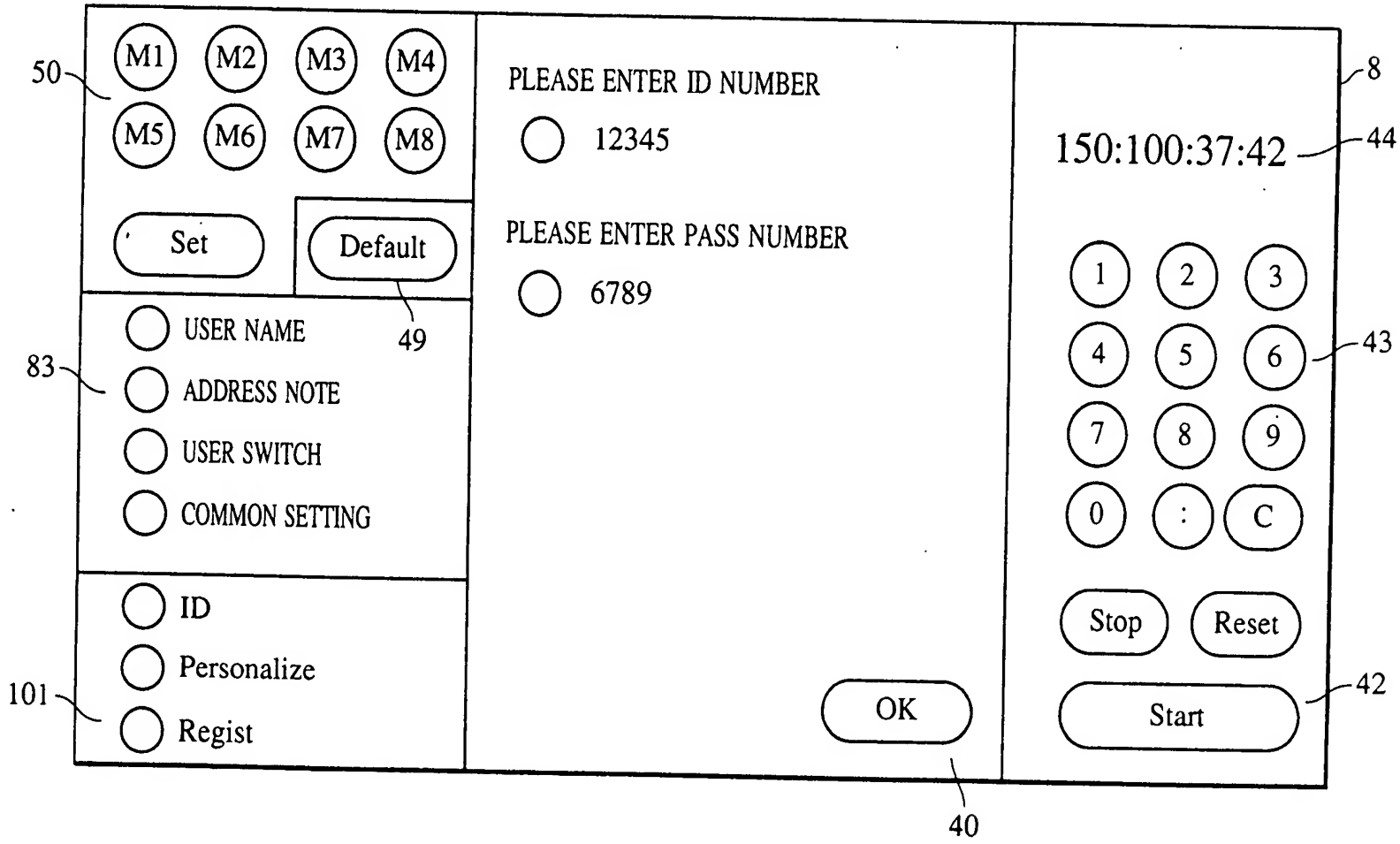

M1
M2
M3
M4
M5
M6
M7
M8
50
Set
Default
49
USER NAME
ADDRESS NOTE
USER SWITCH
COMMON SETTING
83
ID
Personalize
Regist
101
PLEASE ENTER ID NUMBER
12345
PLEASE ENTER PASS NUMBER
6789
OK
40
8
150:100:37:42
44
1
2
3
4
5
6
43
7
8
9
0
:
C
Stop
Reset
Start
42

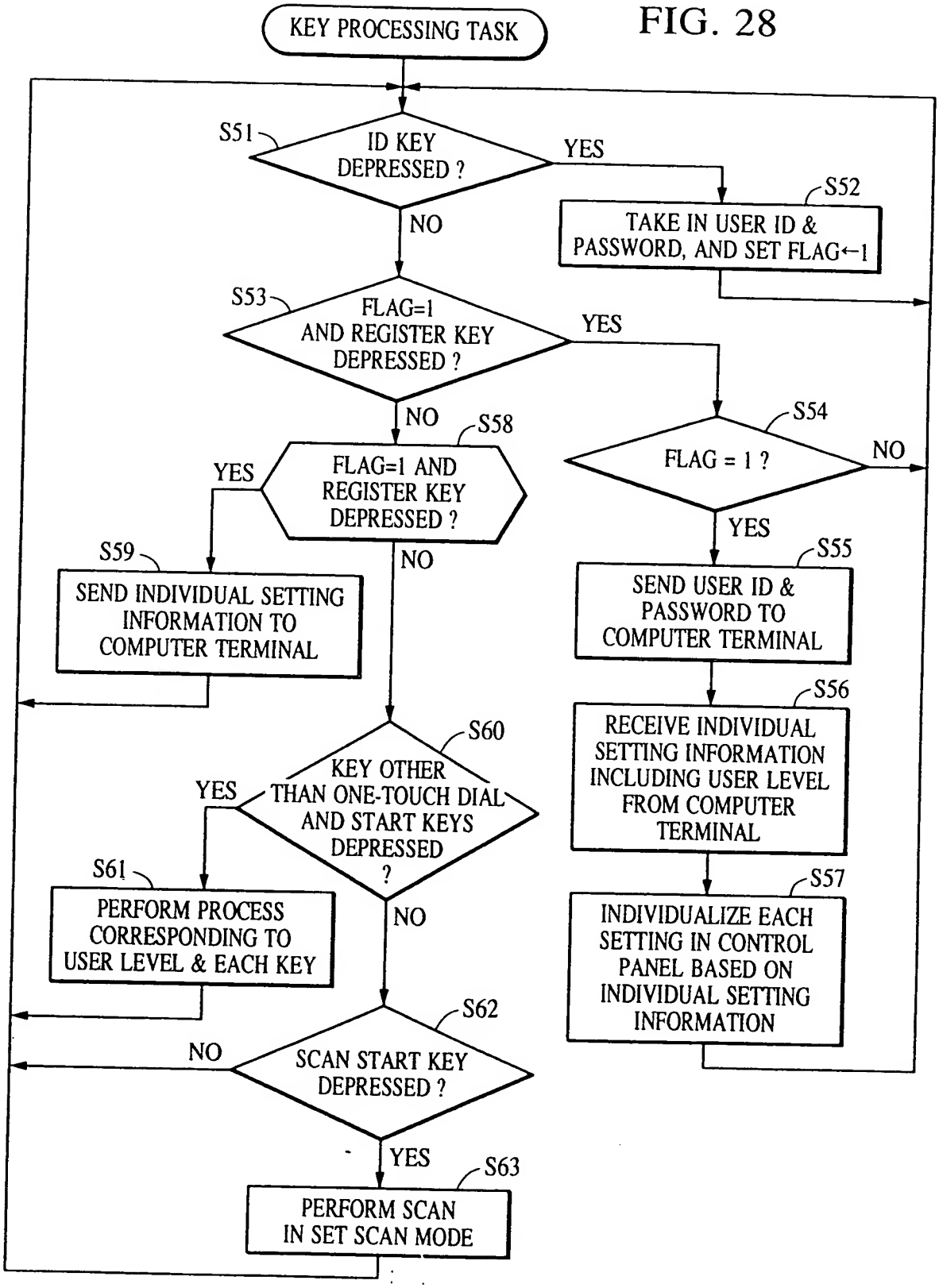
FIG. 26

```
#START#                          L101
#KEY#72dpi#                      L102
#DO:res_mode=72;END#             L103
#KEY#100dpi#                     L104
#DO:res_mode=100;END#            L105
#KEY#200dpi#                     L106
#DO:res_mode=200;END#            L107
#KEY#300dpi#                     L108
#DO:res_mode=300;END#            L109
#KEY#400dpi#                     L110
#DO:res_mode=400;END#            L111
#KEY#600dpi#                     L112
#DO:res_mode=600;END#            L113
#END#                            L114
```

FIG. 27

```
#START#                          L201
#KEY#standard#                   L202
#DO:res_mode=72;END#             L203
#KEY#fine#                       L204
#DO:res_mode=200;END#            L205
#KEY#super fine#                 L206
#DO:res_mode=400;END#            L207
#END#                            L208
```

FIG. 28


KEY PROCESSING TASK
S51
ID KEY DEPRESSED ?
YES
NO
S52
TAKE IN USER ID & PASSWORD, AND SET FLAG←1
S53
FLAG=1 AND REGISTER KEY DEPRESSED ?
YES
NO
S54
FLAG = 1 ?
NO
YES
S55
SEND USER ID & PASSWORD TO COMPUTER TERMINAL
S56
RECEIVE INDIVIDUAL SETTING INFORMATION INCLUDING USER LEVEL FROM COMPUTER TERMINAL
S57
INDIVIDUALIZE EACH SETTING IN CONTROL PANEL BASED ON INDIVIDUAL SETTING INFORMATION
S58
FLAG=1 AND REGISTER KEY DEPRESSED ?
YES
NO
S59
SEND INDIVIDUAL SETTING INFORMATION TO COMPUTER TERMINAL
S60
KEY OTHER THAN ONE-TOUCH DIAL AND START KEYS DEPRESSED ?
YES
NO
S61
PERFORM PROCESS CORRESPONDING TO USER LEVEL & EACH KEY
S62
SCAN START KEY DEPRESSED ?
NO
YES
S63
PERFORM SCAN IN SET SCAN MODE